

CLAIMS

What is claimed is:

1. A device capable of responding to an outside stimulus, said device comprising:

a volume at least partially defined by the device;

conductive circuitry electrically coupled to said volume, said conductive circuitry suitable for conducting an electrical charge accumulated on said volume in response to the outside stimulus;

feedback circuitry electrically coupled to said conductive circuitry, said feedback circuitry suitable for converting the electrical charge into a drive signal; and,

feedback driven by the drive signal, said feedback suitable for providing feedback directly indicative of the outside stimulus.

2. The device of Claim 1, wherein said volume is defined by a balloon.

3. The device of Claim 1, wherein said volume is defined by a material with electrical properties capable of sustaining and transferring electrical signals.

4. The device of Claim 1, wherein at least one of said conductive circuitry and said feedback circuitry are located substantially within said volume.

5. The device of Claim 1, wherein at least one of said conductive circuitry and said feedback circuitry are located substantially outside said volume.

6. The device of Claim 1, wherein said volume provides a resonance for said feedback.

7. The device of Claim 1, wherein said conductive circuitry includes distinct regions adhered to said volume suitable for creating a conductive signal path.

8. The device of Claim 1, wherein said conductive circuitry includes at least an oscillator.
9. The device of Claim 1, wherein said conductive circuitry is suitable for switching the output signal on and off in response to a given outside stimulus.
10. The device of Claim 1, wherein said acoustical circuitry includes at least an amplifier circuit.
11. The device of Claim 1, wherein said feedback circuitry includes at least an operational amplifier.
12. The device of Claim 11, wherein said operational amplifier produces signals with an average output of approximately one watt.
13. The device of Claim 1, wherein said feedback is substantially a visual emission.

14. The device of Claim 13, wherein said visual emission is light emission.
15. The device of Claim 13, wherein said visual emission is a color change.
16. The device of Claim 1, wherein said feedback is substantially a noise emission.
17. The device of Claim 16, wherein said noise emission includes at least one of a frequency change and volume change.
18. The device of Claim 1, wherein said feedback is substantially an odor emission.
19. The device of Claim 1, wherein the outside stimulus includes a PH level of the outside stimulus.

20. The device of Claim 1, wherein said volume at least partially acts as an acoustic resonator.
21. The device of Claim 1, wherein said feedback includes varying a pressure inside said volume.
22. The device of Claim 1, wherein said outside stimulus includes sound.
23. A device capable of responding to an outside stimulus, said device comprising:
- a volume at least partially defined by the device;
 - a conductive means electrically coupled to said volume, said conductive means suitable for conducting an electrical charge accumulated on said volume in response to the outside stimulus;
 - a feedback means electrically coupled to said conductive means, said feedback means suitable for converting the electrical charge into a drive signal; and,
 - feedback driven by the drive signal, said feedback suitable for providing feedback directly indicative of the outside stimulus.

24. A device having a volume at least partially defined by the device, said device being capable of responding to an outside stimulus, said device comprising:

conductive circuitry electrically coupled to said volume, said conductive circuitry suitable for conducting an electrical charge accumulated on said volume in response to the outside stimulus;

feedback circuitry electrically coupled to said conductive circuitry, said feedback circuitry suitable for converting the electrical charge into a drive signal; and,

feedback driven by the drive signal, said feedback suitable for providing feedback directly indicative of the outside stimulus.

25. A method of providing feedback associated with the contact of a device, said method comprising:

monitoring said device for external contact;

inputting a signal responsive to the external contact;

switching an output in relation to said input signal;

producing an amplified signal associated with said output;

generating feedback from said amplified signal, wherein said feedback is directly indicative of the external contact.